

Genus	Vol. 25(3): 451-457	Wroclaw, 30 IX 2014
-------	---------------------	---------------------

Clitenososia vazquezi sp. nov. from Kenya
(Coleoptera: Chrysomelidae: Galerucinae)

RON BEENEN

Martinus Nijhoffhove 51, NL- 3437 ZP Nieuwegein, The Netherlands; e-mail: r.beenen@wxs.nl

ABSTRACT. *Clitenososia. vazquezi* sp. nov. is described from Kenya. A key to adults of the species of *Clitenososia* is presented.

Key words: entomology, taxonomy, Chrysomelidae, Galerucinae, *Clitenososia*, new species, key, Africa, Kenya.

INTRODUCTION

The African genus *Clitenososia* was erected by LABOSSIÈRE (1931) with *Clitena fulva* LABOSSIÈRE, 1922 as the type species. The genus comprises three species: besides the genotype also *Clitenososia flava* LABOSSIÈRE, 1940 and *C. maculicollis* LABOSSIÈRE, 1931. The genus *Clitenososia* is characterized among Coelomerites by the completely pubescent dorsal surface and the combination of presence of an apical mesotibial spine and absence of an apical spine on the metatibiae.

Through JOSÉ MIGUEL VELA I received a series of a hitherto unknown *Clitenososia* collected in Kenya by XAVIER VÁZQUEZ. This species is characterized by the uniform black colour of the antennae and strong punctuation of the upper surface of pronotum and elytra. This species is described herein.

ACRONYMS

JBCB - JAN BEZDĚK collection, Brno, Czech Republic;
JMVM - JOSÉ-MIGUEL VELA collection, Málaga, Spain;
RBCN - RON BEENEN collection, Nieuwegein, The Netherlands.

DESCRIPTION

Clitenososia vazquezii sp. nov.

1. *Clitenososia vazquezii* sp. nov., habitus (female paratype)

TYPE MATERIAL

Holotype ♂: S. KENYA, Malindi, 23 vii 1991, X. VÁZQUEZ: (RBCN).

Paratypes: S. KENYA, Malindi, 23 vii 1991, X. VÁZQUEZ (2 ♀♀ RBCN, 1 ♂, 3 ♀♀ JMVM, 1 ♀ JBCB). The specimens are provided with red label: HOLOTYPE (or PARATYPE) *Clitenososia vazquezi* n. sp., R. BEENEN det 2013.

DESCRIPTION

♂ Length: 8.50-8.75 mm (total length); 8.25-8.45 mm (from the anterior border of the eyes to the tip of the elytra). Macropterous. Maroon coloured, elongate species with black patch on frons and blackish shading of the surface of the pronotum (figure 1). Upper body surface covered with fine pubescence. Underside, legs and antennae black to blackish brown. Underside covered with fine pubescence except postgenal ares of head and episternes of prothorax.



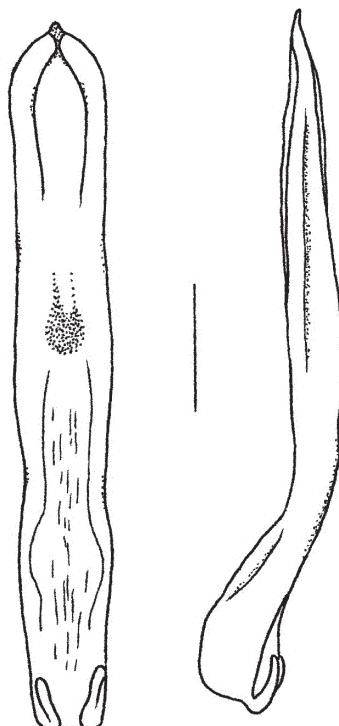
2. *Clitenososia vazquezi* sp. nov., head and pronotum (female paratype)

Head: maximal width of head across the eyes: 1.65-1.90 mm. Vertex with strong punctuation, where the space between the punctures is much smaller than the punctures. Frontal tubercles crescent shaped; shining with a few large punctures in the upper parts (posteriad). Setae more or less adpressed. Antennal formula: 10-5-11-15-15-14-13-12-10-9-9.

Pronotum (figure 2): maximal width: 2.50-2.90 mm (at base). Length in the middle: 1.25-1.50 mm. Sides almost parallel; convergent in the apical quarter. Basal corners rectangular. Front corners blunt. All borders marginated. Upper surface with strong punctuation, space between punctures in central part much smaller than the punctures diameter. The pronotum with four shallow depressions: small ones along the middle in front of scutellum and near the front border, and two large ones at each side of the middle.

Scutellum: triangular; with fine punctures.

Elytra: Width over shoulders wider than width of prothorax. Elongate. Shoulders prominent. Behind shoulders almost parallel. Greatest width 3.71-4.15 mm. Upper surface with strong punctuation similar to pronotum. Three shallow depressions: a small and elongate one along the suture behind the scutellum and a pair of small circular ones behind it at both sides of the suture. Elytral epipleura punctuate, gradually narrowing and visible until apex.



3. *Clitenososia vazquezi* sp. nov., aedeagus: left ventral view, right lateral view (scale bar = 1 mm)

Underside: Procoxal cavities open posteriorly. Middle tibiae only with apical spur. Tarsi strong. Third segment bilobed. Claws bifid. Apical abdominal sternite with a large equilateral triangular genital groove.

Aedeagus: Elongate. In ventral view parallel, a little constricted at basal third. Apex rounded with small triangular extrusion. In lateral view strongly curved in basal third. (figure 3).

Sexual dimorphism: ♀ larger: length: 11.85-12.85 mm (total length); 11.70-12.15 mm (from the anterior border of the eyes to the tip of the elytra). The females have an oval form with the elytra widened from humera towards the apical third: greatest width across both elytra: 5.80-5.90 mm at posterior third, a body form different from that of the male. Apical margin of last abdominal sternite rounded regularly. All female specimens have underside of body maroon coloured with epimerons almost black.

Variation: the black colour on vertex and pronotum in some specimens with a green metallic sheen.

Condition of the specimens: In the holotype the claw segment of the left protarsus is missing. In the male paratype the apex of the aedeagus fails.

DIAGNOSIS

This new species is similar to *Clitenososia flava* in having antennae predominantly black. It can be separated by the punctuation on the pronotum which is strong and dense in *C. vazquezi* sp. nov. and weak and wide apart in *C. flava*. Specimens of *Clitenososia* can be identified with the key below.

DISTRIBUTION

Kenya.

ETYMOLOGY

This species is named in honour of XAVIER VÁZQUEZ (Terassa) who collected the specimens of this new species and who is a much respected specialist in Oedemeridae.

KEY TO THE SPECIES OF *CLITENOSOSIA*

1. Antennae predominantly black 2.
- First three antennal segments yellow-red or reddish; subsequent segments black 3.
2. Pronotum with superfluous punctuation; space between punctures very wide *C. flava* (South Africa, Natal)
- Pronotum with strong punctures; space between punctures smaller than diameter of punctures *C. vazquezi* sp. nov. (S Kenya)
3. Pronotum uniformly yellow brown *C. fulva* (Ivory Coast)
- Pronotum with four black dots *C. maculicollis* (Togo)

CATALOGUE

Genus *Clitenososia* LABOISSIÈRE, 1931

Clitenososia LABOISSIÈRE, 1931: 43, type species *Clitena fulva* Laboissière, 1922, by original designation; LABOISSIÈRE, 1940: 3; GRESSITT & KIMOTO, 1963: 438 (junior synonym of *Pyrrhalta* JOANNIS 1865); GRESSITT & KIMOTO, 1965: 800 (valid genus, *Clitenosocia* [sic !]); WILCOX, 1971-1975: 45; SEENO & WILCOX, 1982: 99.

***Clitenososia flava* LABOISSIÈRE, 1940**

Clitenososia flava LABOISSIÈRE, 1940: 3.
Clitenososia flava: WILCOX, 1971-1975: 46.

Distribution: South Africa: Natal.

***Clitenososia fulva* (LABOISSIÈRE, 1922)**

Clitena fulva LABOISSIÈRE, 1922: 5.
Clitenososia fulva: LABOISSIÈRE, 1931: 44; LABOISSIÈRE, 1940: 5; WILCOX, 1971-1975: 46.
Clitena fulva: WEIDNER, 1976: 174.

Distribution: Ivory Coast.

***Clitenososia maculicollis* LABOISSIÈRE, 1931**

Clitenososia maculicollis LABOISSIÈRE, 1931: 44.
Clitenososia maculicollis: LABOISSIÈRE 1940: 5; WILCOX, 1971-1975: 46.

Distribution: Togo

***Clitenososia vazquezii* sp. nov.**

Distribution: Kenya.

ACKNOWLEDGEMENTS

I thank XAVIER VÁZQUEZ (Terassa) for the possibility to study the specimens he collected and for the donation of parts of the types, and my dear friend, JOSÉ MIGUEL VELA (Málaga), who drew my attention to this unknown species. I express my sincere gratitude to JAN BEZDĚK (Brno) who made valuable comments to the draft of this manuscript and prepared the photographs.

REFERENCES

GRESSITT, J.L., KIMOTO, S. 1963. The Chrysomelidae (Coleopt.) of China and Korea. Part 2. Pacific Insects Monogr., 1B: 301-1026.

—, 1965. Second supplement to "The Chrysomelidae (Coleopt.) of China and Korea". Pacific Insects, **7**: 799-806.

LABOSSIÈRE, V. 1922. Étude des Galerucini de la Collection du Musée du Congo belge. Première partie (suite). Rev. Zool. Afr., **10**: 1-44.

—, 1931. Galerucini africains nouveaux ou peu connus de la collection du Deutsches Entomologisches Institut. Wiener Entomol. Ztg., **48**: 42-57.

—, 1940. Observations sur les Galerucinae des collections du Musée royal d'Histoire naturelle de Belgique et descriptions d'espèces nouvelles. 3me note. Bull. Mus. Roy. Hist. nat. Belg., **16 (25)**: 1-16.

SEENO, T. N., WILCOX, J. A., 1982. Leaf Beetle Genera (Coleoptera: Chrysomelidae). Entomography, **1**: 1-221.

WEIDNER, H., 1976. Die Entomologischen Sammlungen des Zoologischen Instituts und des Zoologischen Museums der Universität Hamburg. Mitt. Hamburg. Zool. Mus. Inst., **73**: 87-264.

WILCOX, J.A., 1971-1975. Chrysomelidae. Galerucinae. - Coleopterorum Catalogus Supplementarum, **78**: 1-770.